

## SEQUENCE LISTING

<110> Proudfoot, Amanda  
Ajuebor, Maureen  
Swain, Mark

<120> CC-CHEMOKINE MUTANTS AGAINST LIVER DISEASES

<130> ARS-108

<140> US 10/540,234

<141> 2005-06-21

<150> EP 02102885.7

<151> 2002-12-23

<150> EP 03077237.0

<151> 2003-07-17

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 68

<212> PRT

<213> artificial sequence

<220>

<223> Triple 40's RANTES mutant

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Arg	Pro	Leu	Pro	Arg	Ala	His	Ile	Lys	Glu	Tyr	Phe	Tyr	Thr	Ser	Gly
		20						25					30		

Lys	Cys	Ser	Asn	Pro	Ala	Val	Val	Phe	Val	Thr	Ala	Ala	Asn	Ala	Gln
		35					40					45			

Val	Cys	Ala	Asn	Pro	Glu	Lys	Lys	Trp	Val	Arg	Glu	Tyr	Ile	Asn	Ser
	50					55					60				

Leu	Glu	Met	Ser
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<223> Triple MIP-1alpha mutant

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Ser Ala Gln Ile Pro Gln Asn Phe Ile Ala Asp Tyr Phe Glu Thr Ser
          20          25          30
Ser Gln Cys Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Ala Ser Ala
          35          40          45
Gln Val Cys Ala Asp Pro Ser Glu Glu Trp Val Gln Lys Tyr Val Ser
          50          55          60
Asp Leu Glu Leu Ser Ala
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<211> 69

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<213> artificial sequence

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<223> Triple MIP-1beta mutant

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Ala Pro Met Gly Ser Asp Pro Pro Thr Ala Cys Cys Phe Ser Tyr Thr
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Ala Arg Lys Leu Pro Arg Asn Phe Val Val Asp Tyr Tyr Glu Thr Ser
          20          25          30
Ser Leu Cys Ser Gln Pro Ala Val Val Phe Gln Thr Ala Ala Ser Ala
          35          40          45
Gln Val Cys Ala Asp Pro Ser Glu Ser Trp Val Gln Glu Tyr Val Tyr
          50          55          60
Asp Leu Glu Leu Asn
65

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